

A large, multi-tiered stone sign for Oakland University. The top tier is a light-colored cap with a bronze-colored, stylized wave or leaf logo. The middle tier is a dark grey panel with the words "Oakland University" in white serif font. The bottom tier is a dark panel with "Pioneer Drive Entrance" in gold serif font. The sign sits on a light-colored stone base. It is located on a grassy hill with evergreen and deciduous trees in the background under a cloudy sky.

Oakland University

Pioneer Drive Entrance



OAKLAND UNIVERSITY

50 meter tall NRG wind
anemometer tower.

In cooperation with
Alternate Energy
Solutions, Inc. of
Eastpoint, Michigan.

www.aesmichigan.com

NRG TallTower™

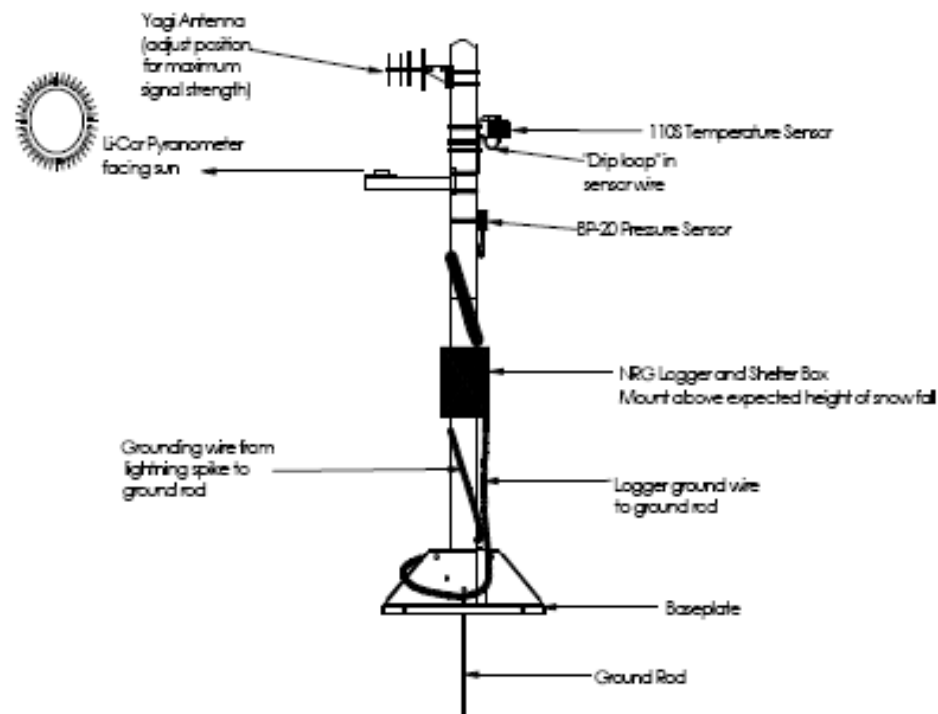
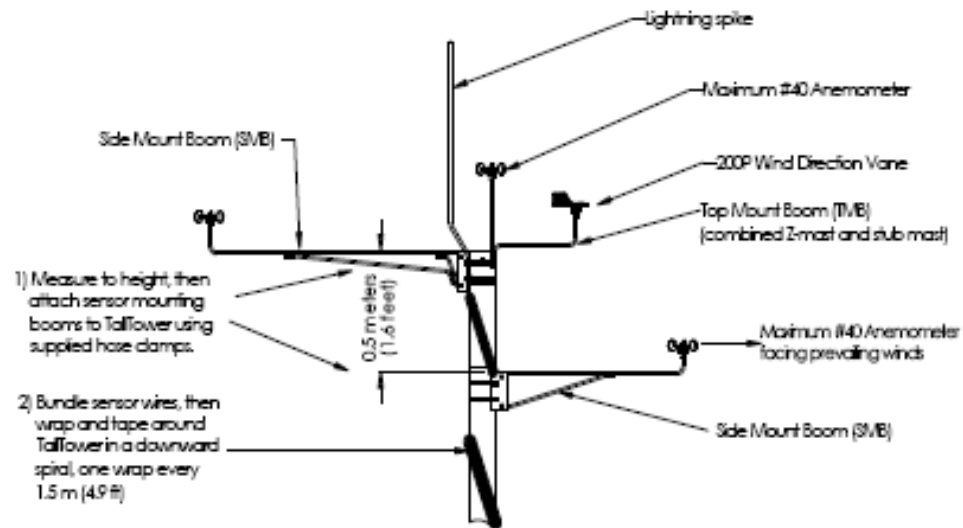
Installation Manual and Specifications



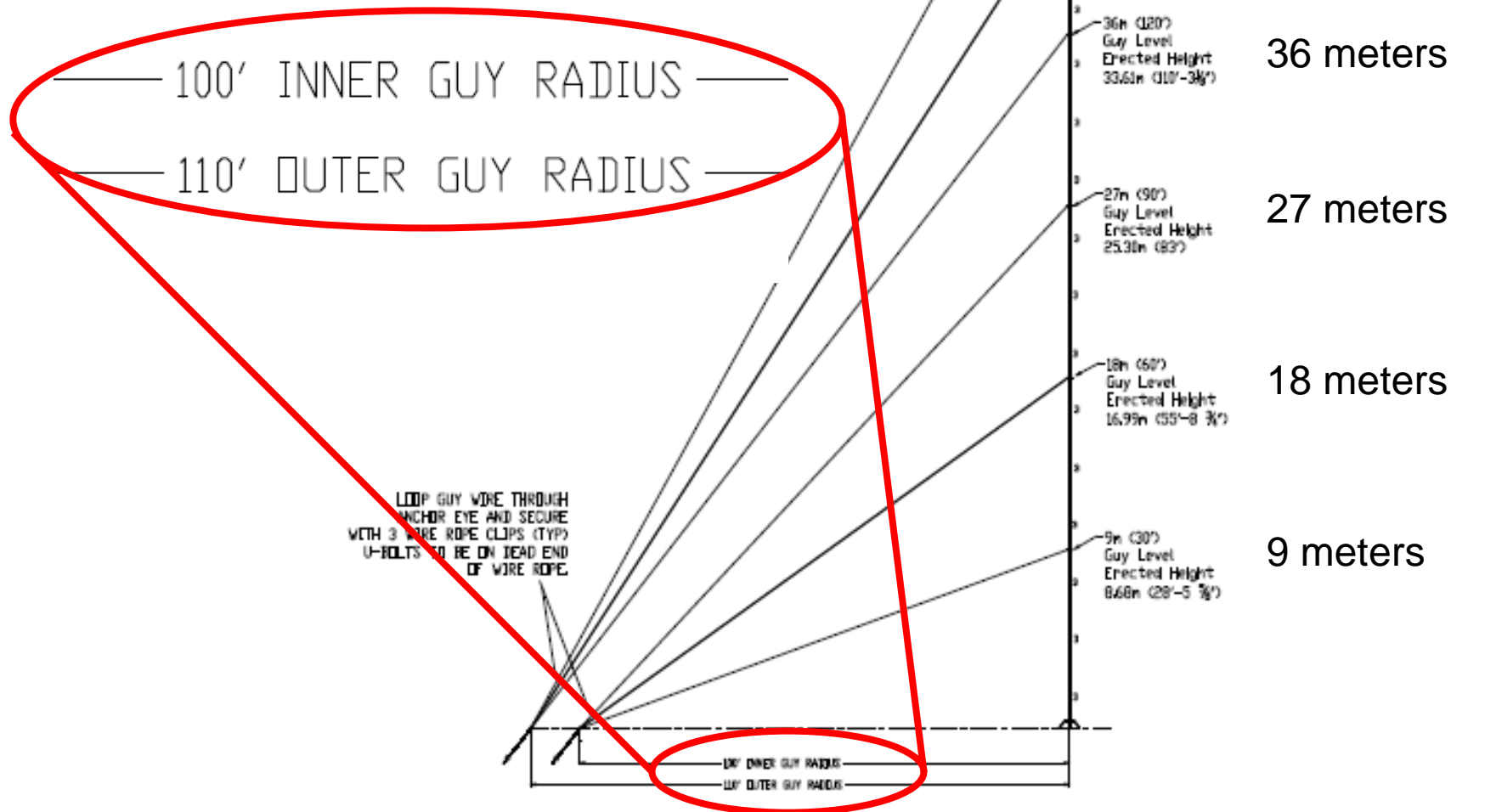
For 10 m, 20 m, 30 m, 30 m HD, 30 m SHD, 40 m, 40 m HD, 50 m, 50 m HD, 60 m NRG TallTowers™



Typical Wind Monitoring Site



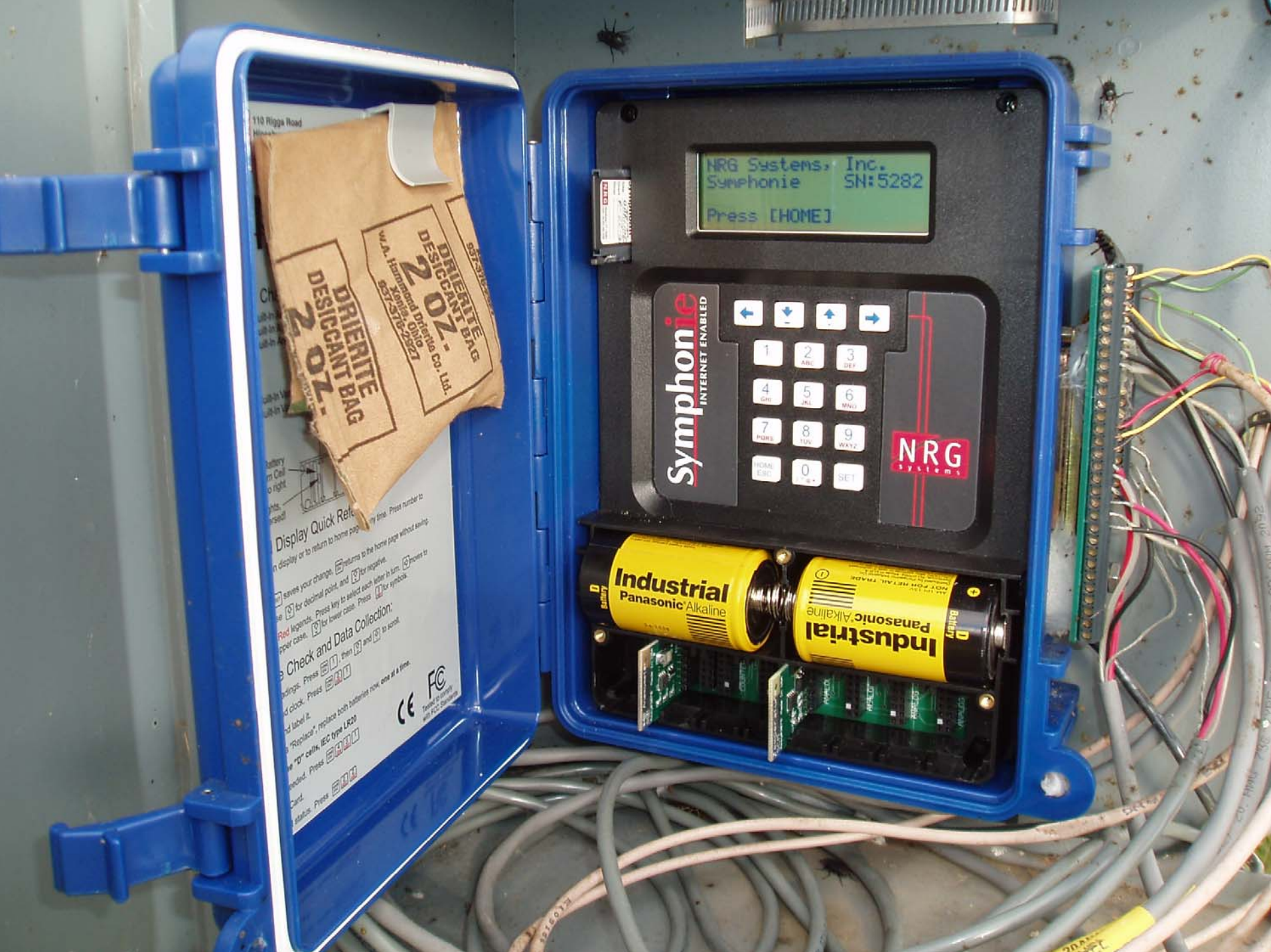
50 Meter Tall Tower Assembly











NRG Systems, Inc.
Symphonie SN:5282
Press [HOME]

Symphonie
INTERNET ENABLED

← ↓ ↑ →
1 2 3
4 5 6
7 8 9
0 * # SET

NRG
systems

Industrial
Panasonic Alkaline

Industrial
Panasonic Alkaline

Display Quick Reference
In display or to return to home page. Press number to
save your change. Press [] to return to the home page without saving.
Press [] for decimal point, and [] for negative.
Press [] for legend. Press key to select each letter in turn. Press [] for symbol.
Press [] for lower case. Press [] for symbol.
Check and Data Collection:
Settings: Press [] then [] and [] to scroll.
and clock. Press [] then [] and [] to scroll.
and label it.
"Replace" replace both batteries now, one at a time.
"RD" cells. IEC type LR20
ended. Press [] then []
Card. Press []
status. Press []

CE FC
FCC Class B
Part 15

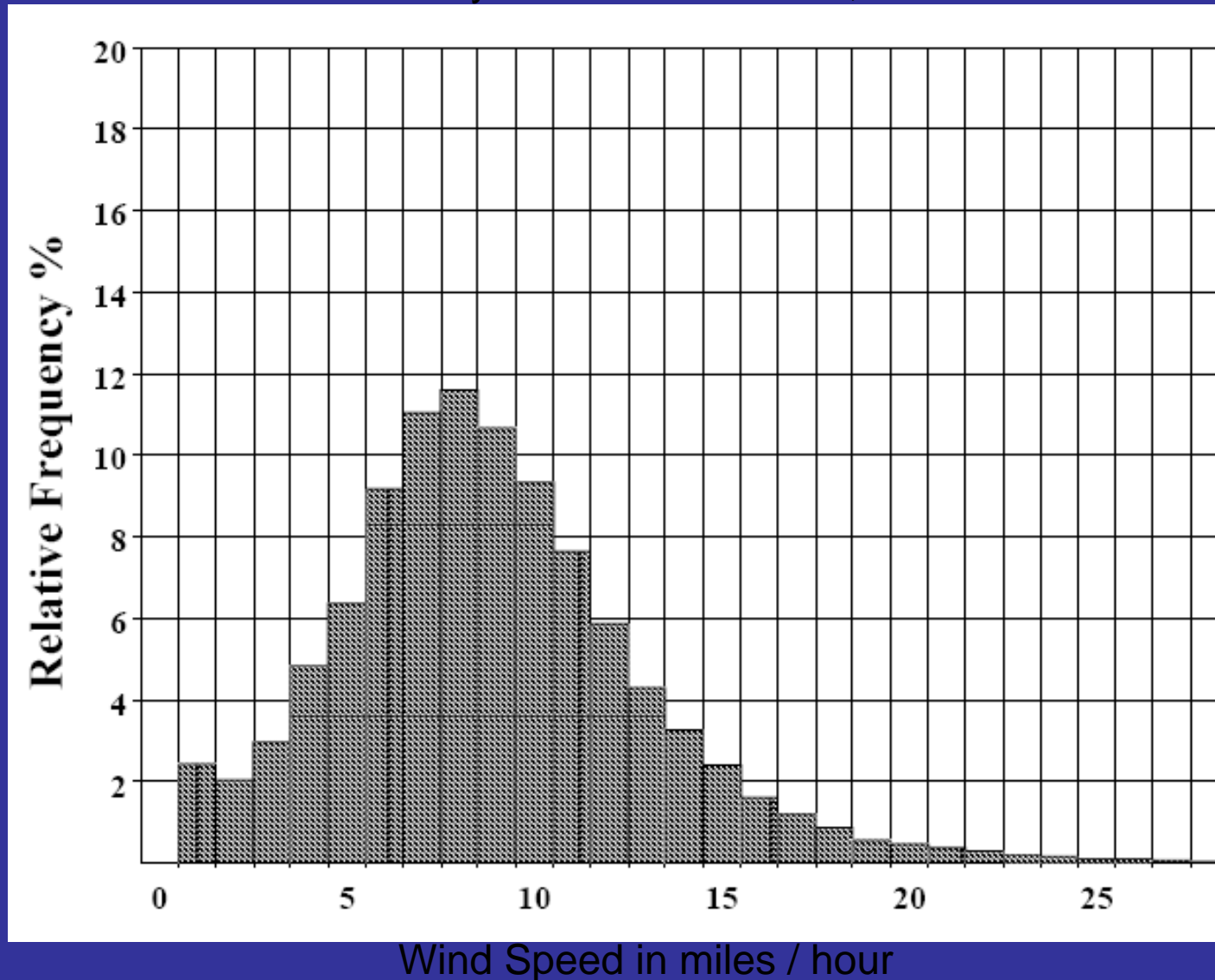
DRIERITE BAG
DESICCANT BAG
20Z
W.A. Hammond Drierite Co. Ltd.
857-376-2927

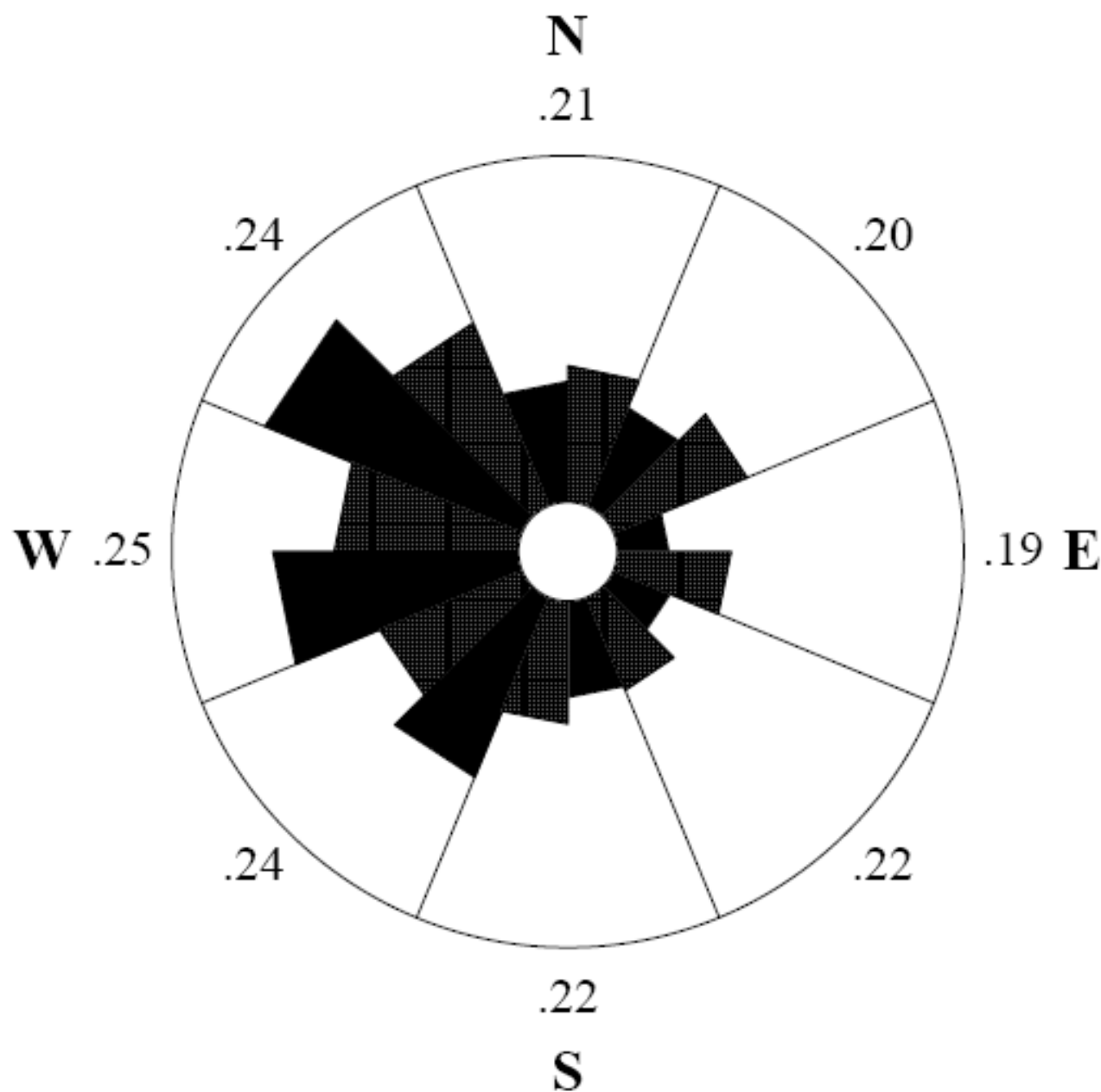


Data Card Reader →

Wind Speed Frequency Distribution

February 21 thru October 24, 2006





2/21/2006 to 10/24/2006

Wind Rose Ch 2, 7

SITE 0002

Oakland University

Site Information:

Project: Oakland University

Location: Near Spencer Substation

Elevation: 26

Anemometer on channel 2:

OAK W50 Anem. mph

Height: 50 m

Serial #: SN:

Vane on channel 7:

OAK S50 Wind Vane


Height: 50 m


Serial #: SN:

Outer Numbers are Average TIs
for speeds greater than 10 mph

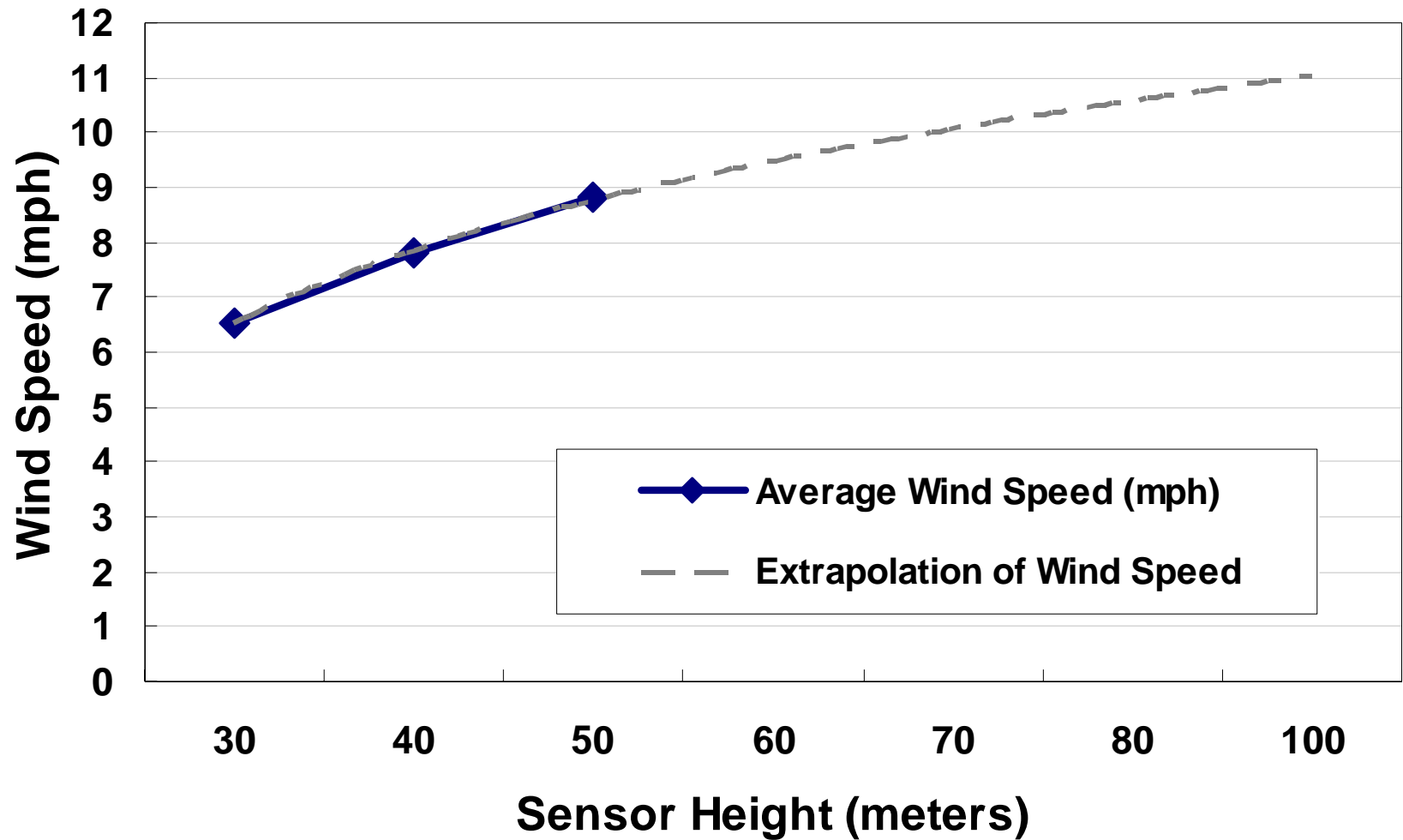
Inner Circle = 0%

Outer Circle = 30%

 Percent of Total Wind Energy

 Percent of Total Time

Extrapolation of Wind Speed vs Height



March – October Average Wind Speeds

50 meter height = 8.8 mph

40 meter height = 7.8 mph

30 meter height = 6.5 mph

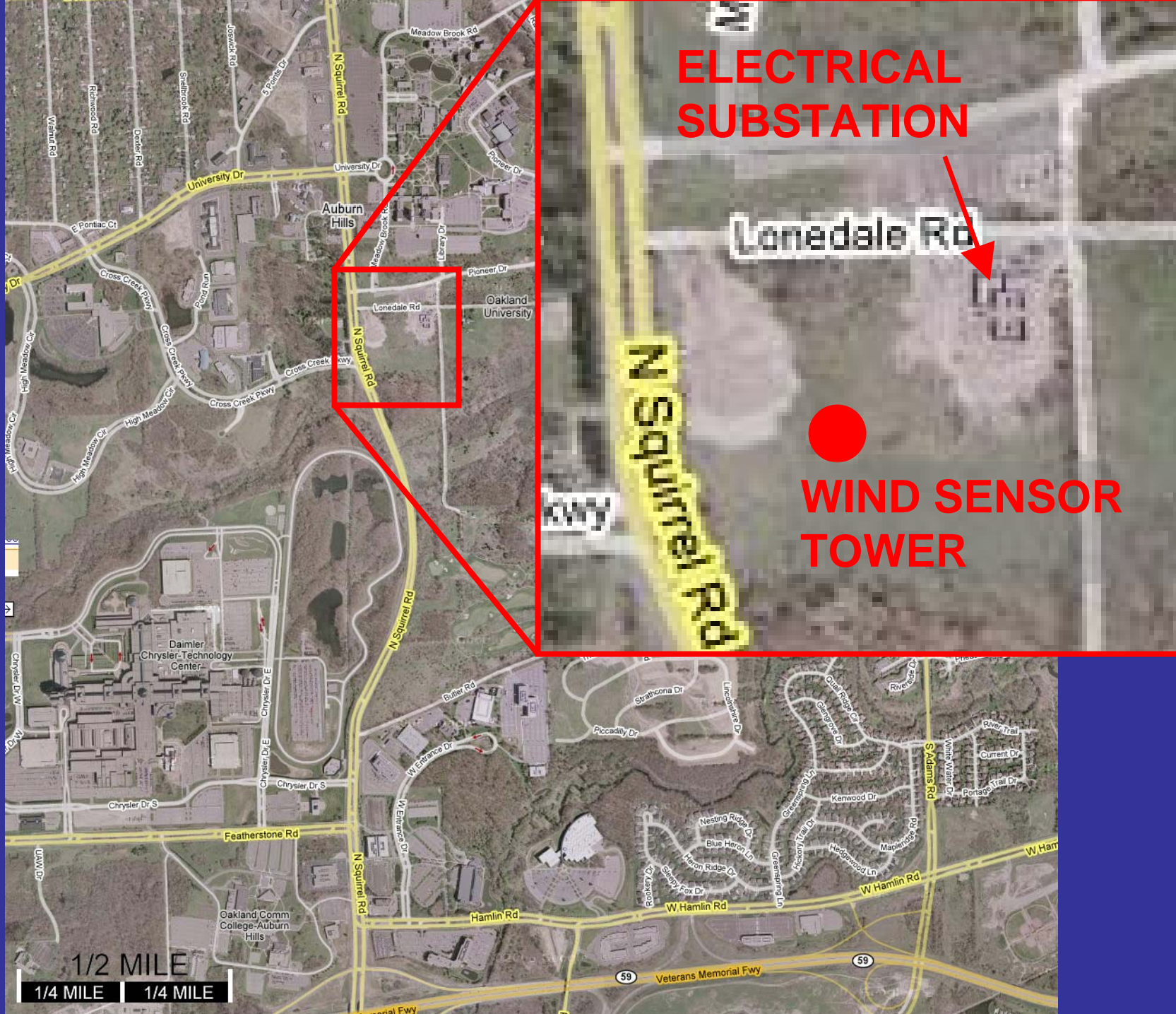
Extrapolated Wind Speed at 100 meters

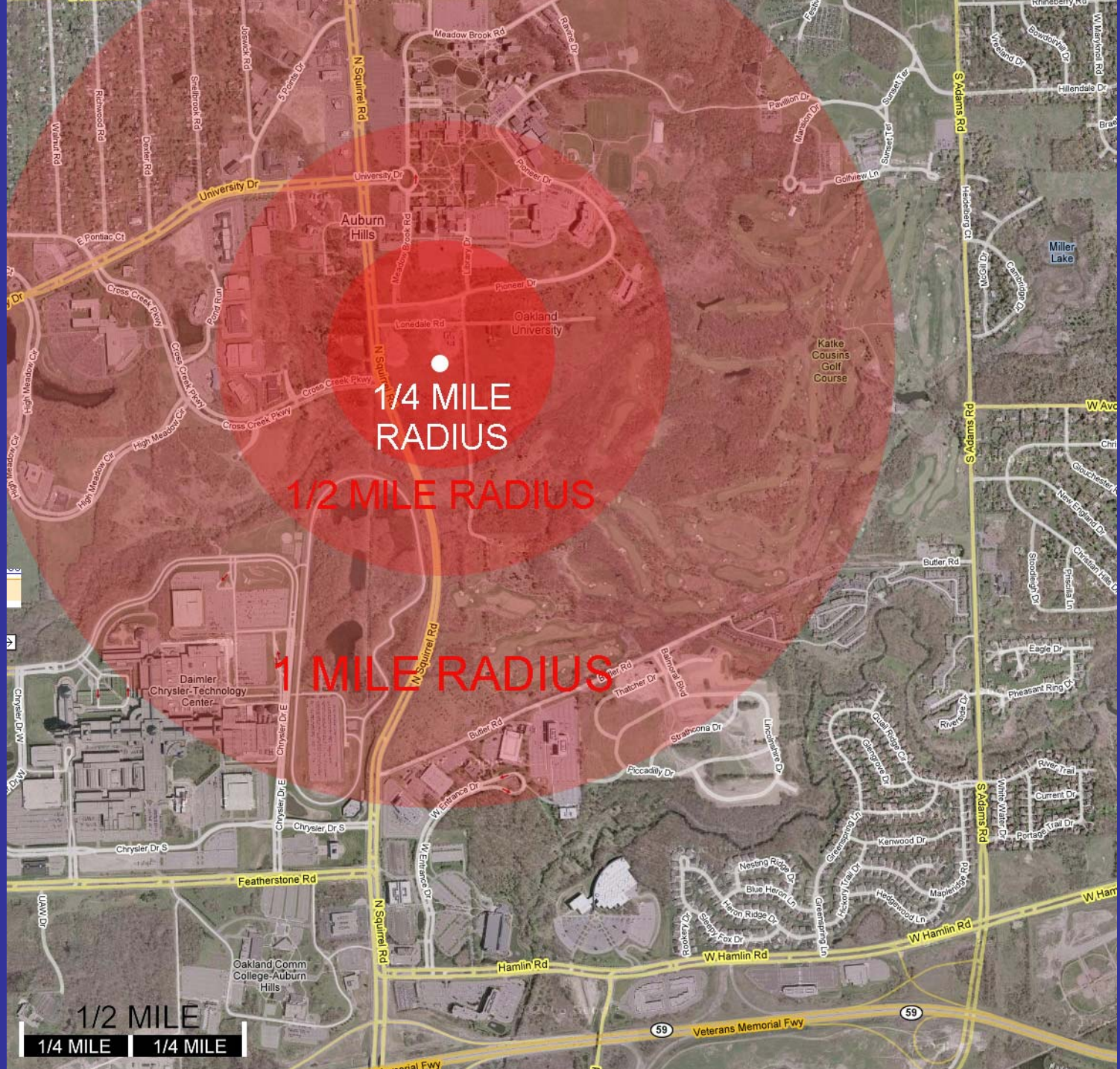
Approximately 11 mph

Estimated Annual Wind Speed at 100 meters

Approximately 12 mph ????

(this would include the windy, winter months)





In our future????



OU Energy - Mozilla Firefox

File Edit View Go Bookmarks Yahoo! Tools Help

http://www.oakland.edu/energy/

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New!
Fall 2006
Energy & the
Environment

Energy Management

at Oakland University, [Facilities Management](#)

BIODIESEL **Students, Get Involved !!**
([click here](#))

OU's Investigations into Wind Power

Oakland University will be investigating local wind power resources on campus with the installation of a 50 meter tall, wind sensor tower. It will be located several hundred yards south of Pioneer Drive, near Squirrel Road. Please visit [Alternative Energy Solutions](#) web site for more information and [a press release](#).

Also, for information on wind power in Michigan and elsewhere, [click here....](#)

University Energy Usage & Cost

Take a look at the historical usage and cost of the west campus utilities over the past decade. **About \$275 is spent each year per Full Year Equivalent Student.** This equates to 5 to 6% of a full time student's tuition. (based on 16 credit hours for two semesters) [more info...](#)

University Energy Purchasing

[Click here](#) to learn more on how Oakland University spends its \$5 million dollars each year to heat, cool, and power our fine institution.

OU Photovoltaic - Solar Electric Roof

OU was recently installed a 10kW photovoltaic demonstration project on the roof of the student apartment Community Building. The produced electricity from 580 Uni-Solar PV shingles and is tied directly to the University electrical grid..

[Click here for more information...](#)

[Does Michigan have a plan for renewable energy?](#)
[Click here](#)

Home Energy Saving Tips


[Click here to activate your monitor sleep mode...](#)
(will not work on NT)

Newsletters

- Dec 2003 Issue 1
- Jan 2004 Issue 2
- Spring 04 Issue 3
- Winter 04 Issue 4
- Fall 2005 Issue 5

Green Computing Guide

Links



Visit www.ouenergy.com for more information...